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CLASSIFIED MESSAGE

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PLOTTING

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FROM: COMMO/OSA

DATE: 17 DECEMBER 1963

PRECEDENCE		DEFERRED	PRIORITY	INITIALS
		ROUTINE	OPERATIONAL IMMEDIATE	INITIALS

TO : NSA

FROM: OSA/TCo 1-12.

CONF:

INFO :

IDEALIST

33312

TO NSA INFO CITE ~~OPCON~~

IDEALIST COMMO

THIS IS A BYEMAN MESSAGE. HANDLE IN ACCORDANCE WITH BYEMAN CONTROL CHANNELS ONLY.

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DOCUMENT NO.
NO CHANGE IN CLASS. ☒
☐ DECLASSIFIED
CLASS. CHANGED TO: TS S C 20
NEXT REVIEW DATE:
AUTH: HR 70-2
DATE: 15/9/81 REVIEWER: 008632

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ATTENTION

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THE FOLLOWING RECEIVED FROM

"THIS PROCEDURE SHOULD BE FOLLOWED FOR EACH MISSION TAPE TO READ OUT.

"1. BE SURE THE EQUALIZERS IN THE "A" RACK PLAYBACK AMPLIFIERS ARE REMOVED.

"2. USING THE GAIN CONTROL ON THE "A" RACK FRONT PANEL, ADJUST THE AMPLITUDE OF THE FREE SCANNING INPUT PULSES FOR A 5 PLUS OR MINUS 1 VOLT PEAK. DO THIS FOR ALL THREE CHANNELS. NOTE: BE SURE TO SET THE AMPLITUDE ON THE PULSE PEAK, NOT THE OVERSHOOT.

"3. FOR EACH CHANNEL, NOTE WHETHER THE NORMAL OR INVERT SWITCH POSITION IS CORRECT. FOR POSIVIVE FREE SCANNING PULSES, THE NORMAL-INVERT SWITCH SHOULD BE IN THE NORMAL POSITION.

COORDINATING OFFICERS

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PAGE TWO

TO NSA INFO CITE

FOR NEGATIVE FREE SCANNING PULSES, THE NORMAL-INVERT SWITCH SHOULD BE IN THE INVERT POSITION.

"4. FOR EACH CHANNEL, ADJUST THE ACTIVITY CONTROL FOR A MINIMUM INPUT TO TURN OFF THE ASSOCIATED INDICATOR LIGHT WHEN FREE SCANNING PULSES ARE PRESENT. NOTE: IF THE INPUT TO THE ACTIVITY CIRCUIT IS TOO HIGH, THE LIGHT MAY TURN OFF IN THE PRESENCE OF AUDIO MODULATION.

"5. FOR EACH CHANNEL, CHECK THE AUDIO SQUELCH CIRCUIT AS FOLLOWS:

A. SET THE AUDIO GATE SWITCH TO ON.

B. NOTE THE AUDIO OUT AT THE AUDIO PHONE JACK ON THE FRONT PANEL WHEN FREE SCANNING PULSES ARE PRESENT.

C. WHILE FREE SCANNING PULSES ARE PRESENT ON THE RACK INPUT, SET THE AUDIO GATE SWITCH TO OFF. THE FREE SCANNING PULSES SHOULD NOT BE PRESENT AT THE AUDIO JACK.

D. WHEN THE ACTIVITY LIGHT INDICATES LOCK-ON (LIGHT ON),

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PAGE THREE

TO NSA INFO CITE

NOTE THAT THE LEVEL OF AUDIO, OR NOISE IF AUDIO IS NOT PRESENT, DOES NOT CHANGE BY SETTING THE AUDIO GATE SWITCH TO ON OR OFF.

"6. SET THE SIGNAL GAIN CONTROL TO FULL CLOCKWISE POSITION.

"7. SET THE SYSTEM # 3-3A SWITCH TO 3A.

"8. FOR EACH CHANNEL TO BE READ OUT, PERFORM THE FOLLOWING WHEN FREE SCANNING PULSES ARE PRESENT AT THE RACK INPUT:

A. USING THE CHOPPED INPUT ON A DUAL TRACE SCOPE, CONNECT "A" INPUT TO THE DELAY JACK ON THE REAR PANEL. CONNECT "B" INPUT TO THE MONITOR 2 JACK ON THE FRONT PANEL.

B. CONNECT "B" INPUT TO THE SCOPE EXTERNAL TRIGGER. TRIGGER THE SCOPE ON THE POSITIVE SLOPE OF THE INPUT PULSES. SCOPE SWEEP SPEED Ø.5 MS/CM.

C. THE SCOPE DISPLAY WILL BE AS SHOWN IN FIGURE 1.

D. ADJUST THE NEGATIVE SLOPE OF THE ADJUSTABLE DELAY PERIOD (FIGURE 1, (D)) SO THAT IT IS HALFWAY BETWEEN THE QUICK RETURN PULSE (FIGURE 1, (C)) AND THE NORMAL RETURN PULSE (FIGURE 1, (B)) USING THE DELAY ADJUST CONTROL ON THE FRONT PANEL.

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PAGE FOUR

TO NSA INFO CITE

E. NOTE THE TENS DIGIT ON THE INTERVAL DECADE FOR A MAXIMUM READING OF 4.

F. ADJUST THE COUNT 35 CONTROL FOR MAXIMUM INTENSITY ON COUNT 35, AS SEEN ON THE FINE FREQUENCY DECADES.

"9. SET THE SYSTEM 3-3A SWITCH TO 3.

"10. THE E RACK IS NOW ADJUSTED TO READ OUT THE CHANNEL SELECTED.

"AIRMAILING FIGURE 1 ON 13 DECEMBER."

END OF MESSAGE

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INTELL/OSA [redacted]

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